In the 2020 National Rankings, HITAM is now ranked among the Band B Colleges in the Privately Funded Colleges category.

DEPARTMENT OF MECHANICAL ENGINEERING
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HYDERABAD INSTITUTE OF TECHNOLOGY & MANAGEMENT
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INSPIRING PERSONALITY OF THE MONTH

SIR MOKSHAGUNDAM VISVESVARAYA

Some people are born great. But Visvesvaraya achieved greatness by hard work, by using his mind for creative positive thinking. Mokshagundam Visvesvaraya was born on September 15, 1861, at Muddenahalli, in Mysore state. His father was an ayurved physician. Visvesvaraya’s father died when he was hardly fourteen. He rose from strength to strength to receive the highest honor-Bharat Ratna from the government of India in 1955.

Visvesvaraya joined the central college, Bangalore in 1875, while staying with his uncle he met his expenses through tuition. After completing his degree examination with distinction in 1880, Visvesvaraya entered the college of science at Pune. Topping the list of successful candidate in civil engineering, he joined Bombay public works department in 1884 as an Assistant Civil Engineer. As a Civil Engineer, Visvesvaraya completed some challenging projects, two well known projects of supply drinking water to Sukkur in Sind and A den from dirty beds of Indus.

For this innovative work, Visvesvaraya was honored with the title Kaiser e Hind by the British government. He chose to join as chief engineer of Mysore, his native state in November 1909; here he enjoyed the freedom to take on several projects which would truly benefit the poorest section of the populace. He prepared scheme for water supply road communication and irrigation. The Maharaja of Mysore appointed Visvesvaraya as the Dewan in November 1912. However, he resigned in the year 1919. Later, in the year 1962 he breathed his last.

Ten Commandments for the Efficiency of the citizens.

1. Think and act Institutionally
2. Think in terms of nation
3. Practice self-help
4. Practice team work
5. Cultivate team work
6. Know that knowledge is power
7. Increase production
8. Restrict import
9. Support Indian Industries
10. Maintain efficient standards
Teachers’ day is celebrated on 5th September on the occasion of the birth anniversary of India’s second President, Dr. Sarvepalli Radhakrishnan. He was a staunch believer of education who had a great opinion on teachers that, “Teachers should be the best minds in the country”. This day is also celebrated to understand the importance of student-teacher relationship and positive learning environment for the students and to appreciate, acknowledge the efforts and hard work of teachers in shaping the students’ future sophisticated and responsible individuals.

As part of the celebrations, HITAM faculty planned an online platform in which both faculty and students participated very enthusiastically and got excited for taking part in various games and activities such as PICTONARY, QUIZ, TABOO, and BINGO. After the events were completed the day was ended with a happy note, where all the students expressed their gratitude to their teachers. HITAM Principal Dr.J.Shiva Kumar expressed his hearty wishes to the entire faculty and other participants.
Hyderabad Institute of Technology and Management celebrated the Engineers’ Day on 15th September, 2020 honoring Bharat Ratna Sir Mokshagundam Visvesvarayya as a tribute to one of the greatest engineer of the nation for his outstanding contribution to the society.

Students, faculty and staff members participated in the celebrations. This event is planned to create awareness among students and faculty on the role of engineers in the development of our nation. The event was organized by the department of Mechanical Engineering. It organized various activities such as, animation making contest, slogan writing and online quiz competition for the entire HITAM faculty.

Dr. Srinivas K, Scientist, DRDO was invited as the chief guest to the event. He addressed the participants and explained the role of engineers in nation building. He also spoke on how Engineers have to develop new technological solutions and the responsibilities of an engineer during the design process. The event was ended by extending the vote of thanks by the organizer. HITAM Principal Dr. J.Shiva Kumar appreciated the organizers for initiating the program and organizing various events successfully.
It is well known to everyone that recently the Government of India has introduced the National Education Policy -2020 (NEP). It makes a way for large scale transformation of reforms in both schools and higher education sectors. The policy proposes to create a system that is aligned with inspirational goals of 21st century education. With regard to the NEP-2020 HITAM- UBA cell organized a webinar on 22nd September, 2020 to create awareness among the HITAM faculty.

At first, the program organizer welcomed the speakers, guests and participants of the webinar and introduced the objectives of the webinar. Soon after the introductory session, the keynote address was given by renowned social worker Sri. Lingam Sudhakar Reddy. Later, the prominent educationalists and academicians like Dr.T.Vijay Kumar, Sri. Ayachitrala Laxaman Rao, Sri Laxminarayana put forward the main philosophy behind the National Education Policy-2020.

Key notes of the webinar:

- Higher Education curriculum to have Flexibility of Subjects
- Multiple Entry / Exit to be allowed with appropriate certification
- Academic Bank of Credits to establish and to facilitate Transfer of Credits
- National Research Foundation to establish and foster a strong research culture
- Light but Tight Regulation of Higher Education, single regulator with four separate verticals for different functions.
- Affiliation System to be phased out in 15 years with graded Autonomy to Colleges
- NEP 2020 advocates increased use of technology with equity; National Educational Technology Forum to be created
- NEP 2020 emphasizes setting up of Gender Inclusion Fund, Special Education Zones for disadvantaged regions and groups.
- The program was ended with vote of thanks extended by HITAM-UBA Coordinator Sri. Santhosh Nayak.
A Five day FDP on Thermal Engineering

Advancements in Thermal Engineering play a crucial role in the virtual world. From power turbines to pressure cookers, space station to hi-speed transport, a vast range of technological dependence on energy management, heat-flow/temperature control to successfully meet their design objectives, apart from optimizing manufacturing processes where heat transfer and thermal analysis improve quality, performance and cost. In this regard, the Mechanical Engineering Department of HITAM organized a five day FDP from 22nd to 26th September.

At first, the program convener, Dr. M. Sree Ramulu welcomed the speakers, guests and participants of the webinar and introduced the objectives of the webinar. Later, the webinar was started with the keynote address of HITAM Principal Dr. J. Shiva Kumar. On the commencement day of the FDP, Dr. A. V. S. S. Kumara Swamy Gupta, Professor and Head of the Department JNTUHCEH shared his views on “Energy analysis of thermal system”. The other speakers of the FDP also shed light on their respective topics. On the fifth day of the FDP, Dr. M. Sri Ramulu concluded the program by emphasizing the new challenges in thermal engineering.

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HITAM- For a Cause Team

Globally, the COVID-19 pandemic has shattered the lives of millions in India, the most affected are migrant laborers, daily – wagers, and foot-path vendors. Their sources of income were either partially or completely halted. At this crucial juncture, HITAM’s ‘For a Cause Team’ has come forward to help the deprived, orphans and the other needy.

As part of its community service, the team visited an orphanage located in Kukatpally and donated textbooks and school notebooks for the students of class 1 to 5th. They also donated cooking oil, rice, dals and many more. HITAM Principal Dr. J.Shiva Kumar appreciated HITAM- ‘For a Cause Team’ for their selfless service for the needy.

Atmanirbhar Bharat

Atmanirbhar Bharat is an Indian government program. The main objective of the program is to help the Nation to recover from the severe economic pressure faced due to the pandemic. India is a growing economy with great potential to be self-resilient. The focus of Atmanirbhar Bharat is to encourage the students to help the communities to become Atmanirbhar through a model of entrepreneurship.

In this regard, HITAM in collaboration with India Co-Win Action Network organized a webinar on: ‘Atmanirbhar Bharat Abhiyan’ on 8th September, 2020. The event was started with the keynote address of HITAM, Principal, Dr. J.Shiva Kumar. He shared his views on ‘Atmanirbhar Bharat’ and emphasized the student’s role in nation building. The program was ended with vote of thanks given by the event organizer Mr. Santhosh Naik.
NSS Day Celebration

NSS was formally launched on September 24th, 1969, the birth centenary year of Mahatma Gandhi, the Father of the Nation. Therefore, 24th September is celebrated every year as NSS Day with appropriate programs and activities. As a part of NSS Day celebration, HITAM NSS cell organized a program on the theme of “LIVE TO SERVE” and “NOT ME BUT YOU”.

The program started by 2 PM with the key note address of HITAM Principal Dr.J.Shiva Kumar. HITAM- NSS Coordinator, Dr.S.Srinivas, in his address illustrated the broad objectives of NSS and the community services rendered by HITAM -NSS volunteers during the year 2019-20.

Around 40 faculty members from all departments of the institution took part in this event. The program was ended by extending vote of thanks given by the NSS coordinator Dr.S.Srinivas.

Fit India Freedom Run Event Description

Fit India Movement conducted Fit India Freedom Run from 15th August – 2nd October 2020 to encourage fitness and help us all to get freedom from obesity, laziness, stress, anxiety, diseases etc. The concept behind this run is that “It can be run anywhere, anytime!” In this regard, HITAM NSS Cell organized the Fit India Freedom Run on 30th September, 2020 on its campus.

The event was begun at 2 PM from HITAM amphitheatre. The faculty, who participated the event, walked /run across the roads of Gnanapur village and returned to the campus by 3:30 PM. On completion of the event, HITAM Principal, Dr. J.Shiva Kumar addressed the gathering and advised the faculty to stay fit and healthy through practicing freedom run daily. He also spoke on the benefits of freedom run and how one can gain the freedom himself/herself from ailments like blood pressure, sugar, obesity, heart diseases etc.

The program was ended with vote of thanks given by HITAM -NSS coordinator Dr.Srinivas.
As you all are aware that HITAM strongly believes in “Doing Engineering” and it provides the maximum opportunities to the students to develop and channelize their skills and talents towards meeting industrial expectations without compromising on the goal of academic excellence. To put this concept in practical, HITAM inaugurated a “Robotics Center” on its campus on 9th November, 2020. The purpose of this “Robotics Center” is enabling the students to gain the new knowledge par with the emerging technologies. The center also helps the HITAM students to develop the research abilities and to participate in various national & international events.

In the process of establishing a Robotics Center on HITAM campus, it has signed up a MOU with Times Institute of Management & Technical Studies (TIIMTS), New Delhi, for setting up NxR & AI (Next Generation Robotics & Artificial Intelligence) laboratory at HITAM as a career development unit.

The TIIMTS is one of the leading software companies in India and it is approved by National Productivity Council (NPC), Ministry of Education, Government of India. On inaugurating the program, HITAM Principal, D.J. Shivakumar, in his address said that the centre will certainly stand as a great resource for developing knowledge in the emerging technology and he advised the students to utilize the faculty for developing new skills in Robotics. Mr. Daniel Prabhakar, Dean CDE, Mr. Morishkumar, Mr. T. Sai Sharath and Mr. Praveenkumar and other faculty members attended the program.
Achievements in the month of Sep - 2020

1) Mr. Santosh Naik has submitted 4 papers for ICTIEE 2021 conference.

2) Dr. M Sreeramulu, Mr. PVN Sai Chandu, Mrs. Baby Theresa G, Mr. Govardhan V Reddy have conducted the FDP on “Recent Advances in Thermal Engineering” (RATE-2020).

3) Mr Anil Reddy for coordinating & arranging placements(for 3 students) through ZeeDmetla Industry association.

4) Mr. PVN Sai Chandu for being selected as potential reviewer for BENTHAM journal,

5) Mr. Ashish kumar had completed 16 online Certification courses through COURSERA.

6) Mr. PVN Sai Chandu, Mr. Morrish Kumar, Mr. Santosh Naik, Mr. Govardhan V Reddy, Mr. Ashish Kumar Singh has completed ATAL FDP’s.

7) Dr. J Shivakumar, Mrs. Baby Theresa G for getting Prizes in Engineer’s Day Celebrations.

Achievements in the month of Oct -2020

1) Mr. Santosh Naik selected as Innovation Ambassador-MHRD, New Delhi.

2) Dr. M Sreeramulu has competed 2 FDPs on AICTE UHV & Utilization of Solar Energy & Thermal energy storage.

3) Mrs. Baby Theresa G and Mr. Anil Reddy Y has completed IUCEE online Teaching course.

4) Mr. Rahul D has conducted ELEATION internship drive for Mechanical Final Year students 2017-2021 by his own efforts, 15 students have achieved free internship program

Achievements in the month of Nov-2020

1) Mr. Santosh Naik has got his paper accepted in ICTIEE 2021.

2) Dr. M Sreeramulu has completed ATAL FDP on Thermochemical Energy conversion & storage, conducted by IIT Roorkee.

3) Mr. Govardhan V Reddy has completed ATAL FDP on Design of Experiments in Engineering, conducted by BVRIT Hyderabad
Achievements in the month of Dec-2020

1. Mr. Santosh Naik & Mr. Morrish Kumar have presented 2 technical papers in 2nd International Conference in CMRIT Hyderabad.

2. Mrs. Baby Theresa G & Mr. Anil Reddy Y have successfully completed online Teaching course conducted by IUCEE.


4. Mr. Ashish Kumar Singh Attended AICTE-QIP Short Term Course on Application of Forecasting Method in Engineering and Business Problems, Conducted by IIT Kharagpur.

5. Mrs. Baby Theresa G, Mr. D Rahul & Mr. Santosh Naik have successfully completed Applied AI Course conducted by Recode Minds.

6. Mr. D Rahul has Successfully Completed 2 NPTEL courses of Mechanical Engineering.

7. Mr. Ashish Sharma, 3rd Yr Student, has presented a technical paper in 2nd International Conference in CMRIT Hyderabad, guided by Mr. Santosh Naik.